

C-AD SAD and ASE Production Tasks for Experts

Provide detailed descriptions of:

- 1) radiation interlocks, shielding and physical barriers,
- 2) as-built characteristics for components with safety-related functions,
- 3) critical operating procedures that prevent or mitigate accidents,
- 4) the function of engineered and administrative controls for both routine and emergency conditions, and
- 5) features that minimize the presence of hazardous environments

Linac Systems (Ray)	TVDG Systems (Ray)	Booster Systems (Paul)	AGS Systems (Ed)	RHIC Systems (Dave)	Transfer Lines Systems (Paul)	Fixed Target Experiments at TVDG, BAF, SEB, FEB (Ed)	Collider Experiments (Dave)	Sub Systems (Ed)	Subject Matter Experts	SAD Chapter Assignments
<div>Beam Control and Measurement, J. Alessi</div> <div>EBIS, E. Beebe</div> <div>Beam Dumps, J. Alessi</div> <div>Water Distribution and Cooling, R. Grandinetti</div> <div>Access Control and Chipmunk Systems N. Williams</div> <div>RF Protection Systems, J. M. Brennan</div>	<div>Beam Control and Measurement, C. Gardner</div> <div>TVDG Operations, C. Carlson</div> <div>ODH for SF6 Insulating Gas System, R. Karol</div> <div>Water Distribution and Cooling, R. Grandinetti</div> <div>Access Control and Chipmunk Systems N. Williams</div> <div>Access Control and Chipmunk Systems N. Williams</div> <div>Beam Loss Locations, C. Carlson</div> <div>SEB and FEB, C. Gardner</div>	<div>Beam Control and Measurement, C. Gardner</div> <div>Beam Dump, C. Gardner</div> <div>ODH for N and He Gas Systems, R. Karol</div> <div>Water Distribution and Cooling, R. Grandinetti</div> <div>Access Control and Chipmunk Systems N. Williams</div> <div>Vacuum Bakeout System, H. C. Hseuh</div> <div>RF Protection Systems, J. M. Brennan</div> <div>Beam Dump, C. Gardner</div> <div>SEB and FEB, H. Huang</div>	<div>Beam Control and Measurement, H. Huang</div> <div>Siemens MG Set, J. Sandberg</div> <div>Westinghouse, J. Sandberg</div> <div>MCR Operations Description, E. Lessard</div> <div>Fan Houses and Water Distribution and Cooling, R. Grandinetti</div> <div>Access Control and Chipmunk Systems N. Williams</div> <div>RF Protection Systems, J. M. Brennan</div> <div>Beam Dump, H. Huang</div> <div>SEB and FEB, H. Huang</div>	<div>ODH for N and He Gas Systems, R. Karol</div> <div>Cryogenic Systems, M. Iarocci A. Nicoletti</div> <div>Vacuum Bakeout System Protections, H. C. Hseuh</div> <div>Access Control and Chipmunk Systems N. Williams</div> <div>Access Control and Chipmunk Systems N. Williams</div> <div>RF Protection Systems, J. M. Brennan</div> <div>Beam Dumps and Collimators, A. Stevens</div>	<div>TTB, C. Gardner</div> <div>BLIP Y, J. Alessi</div> <div>BAF-Line, R. Prigl</div> <div>BtA, C. Gardner</div> <div>Switchyard, K. Brown</div> <div>AtR, N. Tsoupas</div> <div>V Line, N. Tsoupas</div> <div>U-Line, N. Tsoupas</div> <div>HEBT, J. Alessi</div>	<div>TVDG Experiments, C. Carlson</div> <div>BAF, R. Prigl and A. Rusek</div> <div>A, R. Prigl A1, D. Lazarus A2, D. Lazarus A3, A. Rusek</div> <div>B, W-Z. Meng B1, Y. Makdisi B2, Y. Makdisi B 5, W-Z. Meng for MECO</div> <div>C, I-H. Chiang C3, I-H. Chiang C3, D. Lazarus for KOPIO C4, I-H. Chiang C5, W-Z. Meng C6, R. Prigl C7, Y. Makdisi C8, R. Prigl</div> <div>D, I-H. Chiang D6, A. Rusek and P. Pile</div> <div>U Experiments, R. Prigl</div> <div>Muon Ring, G. Bunce V Target, G. Bunce V1, G. Bunce</div> <div>ODH for Muon Ring, R. Karol</div> <div>Cryogenic Targets, A. Nicoletti</div>	<div>STAR, A. Stevens</div> <div>PHENIX, Y. Makdisi</div> <div>PHOBOS, D. Barton</div> <div>BRAHMS, D. Beavis</div> <div>PP2PP, I-H. Chiang R. Gill</div> <div>RHIC Spin, G. Bunce</div>	<div>Electrical System Maintenance T. Nehring</div> <div>Transformer Yards / Substations, T. Nehring</div> <div>Block Yards, A. Pendzick</div> <div>Tanks, J. Scott</div> <div>Fire Protection Systems for Facilities, J. Levesque</div>	<div>Electrical Issues, J. Sandberg</div> <div>Mechanical Issues, J. Tuozzolo</div> <div>Experimental Issues, A. Pendzick</div> <div>Access Control and ODH System Logic, A. Etkin</div> <div>Shielding Calculations, A. Stevens</div> <div>Personnel Dosimetry, H. Kahnhauser</div> <div>Radiological Controls/ALARA, H. Kahnhauser</div> <div>Facility Use Agreements, A. Etkin</div> <div>Accelerator Controls, (ChipmunkViewer) D. Barton</div> <div>Environmental Requirements, ECR</div>	<div>Chapter 1, Introduction E. Lessard</div> <div>Chapter 2, Summary/ Conclusions E. Lessard</div> <div>Chapter 3 Site, Facilities and Operations Description E. Lessard</div> <div>Chapter 4, Safety Analysis R. Karol</div> <div>Chapter 5, Accelerator Safety Envelope, E. Lessard and R. Karol</div> <div>Chapter 6, Quality Assurance D. Passarello</div> <div>Chapter 7, Decommissioning J. Scott</div> <div>Chapter 8, References/ Glossary/ Acronyms E. Lessard</div>